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## DEPARTMENT OF CIVIL ENGINEERING

# Newsletter

*Vol 28(July to Dec 2022)*

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### **EDITOR**

**PROF. ROSHNI JOHN (HOD)**  
**PROF. SUJAYA WADEKAR**

## From the Desk of HOD



We proudly present Newsletter for odd semester of academic year 2022-2023. The prime motive of the newsletter is to

highlight the achievements of students and faculty in academics and extracurricular activities. Department took initiatives and arranged various programs in order to make them aware of various activities taking place in industry as well as various career options. Final Year students were encouraged and guided for different competitive examinations. We are actively involved in knowledge enhancement of students through project based learning and organising technical events.

### Vision

“To achieve excellence in Civil Engineering and Technology by providing quality education through research”.

### Mission

‘To create technically competent Civil Engineering graduates with highest ethics’.

### Program Educational Objectives

- To embed a strong foundation of Civil Engineering fundamentals to identify, solve, analyze and design real

time engineering problems as a professional or an entrepreneur for the benefit of society.

- To motivate and prepare students for lifelong learning and research to manifest global competitiveness.
- To equip students with communication teamwork, and leadership skills to accept challenges in all facets of life ethically.

### Program Outcomes

At the end of the program a student will be able:

- Apply knowledge of mathematics, science and engineering fundamentals to solve complex civil engineering problems.
- Identify, formulate and analyze civil engineering problems and derive conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- Investigate complex civil engineering problems and find appropriate solution leading to valid conclusions.
- Design a civil engineering system, component or process to meet specified needs with appropriate attention to health, safety, standards, environmental and societal considerations.
- Create, select and apply appropriate techniques, resources and advanced engineering and software tools necessary to analyze and design civil engineering problems.
- Understand the impact of Civil engineering solutions on society and

environment for sustainable development.

- Understand societal, health, safety, cultural and legal issues and responsibilities relevant to engineering profession.
- Apply professional ethics, accountability and equity in engineering profession.
- Work effectively as a member and leader in multidisciplinary teams for a common goal.
- Communicate effectively with in a profession and society at large.
- Appropriately incorporate principles of management and finance to one's own work.
- Identify educational needs and engage in lifelong learning in a changing world of technology.

## Department Events

From July - Dec 2022

**Name of event-** Career Options after Graduation in Civil Engineering

**Date-** 3<sup>rd</sup> Aug 2022 to 5<sup>th</sup> Aug 2022.

**Location-** Seminar hall,SCOE

**Organized by-** Civil Engineering Department

Training Placement Department of SCOE conducted a three day seminar on "Career Options after Graduation in Civil Engineering" on 3d, 4h and 5h August 2022 at 11pm. This event was conducted in collaboration with ACE Academy, Hyderabad by Sri.Shankar Jarasandh Wadne. The program is intended to throw light on the job options that the students have after Graduation and how to prepare for various test for higher education and

education abroad and the most important was Career Counselling.



From 18<sup>th</sup> August 2022 to 22<sup>nd</sup> August 2022

**Name of event-** One Week Workshop on Basis of GIS: Software Training.

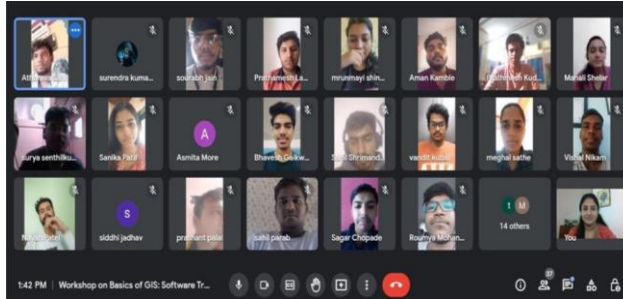
**Date-** 18<sup>th</sup> August 2022 to 22<sup>nd</sup> August 2022.

**Location-** Saraswati College of Engineering

**Organized by-** Department of civil engineering.

Department of civil engineering has organized a five day workshop on "Basics of GIS" from 18<sup>th</sup> August 2022 to 22<sup>nd</sup> August 2022 in hybrid mode i.e. offline and online, both combined. The program focused on basic concepts of

GIS and QGIS, installation procedure, digitization, map preparation and discussed some case studies. At the end of the training program, a certificate was given to the registered participants.



**Name of event-** Awareness of Structural Loads in Oil and Gas Industry and software application.

**Date-** 21<sup>st</sup> September 2022.

**Location-** Saraswati college of Engineering, Kharghar.

**Organized by:**

At the start of new year a new CESA core team was formed and it organized this event as the first event of the year, A guest lecture on "Awareness of Structural Loads in Oil and Gas Industry and software applications.

The event was conducted on 21<sup>st</sup> September 2021 at 1:00pm. The event was started by Saraswati poojan and felicitation of the chief guest, Mr. Girish Rakhonde.

A guest lecture was delivered by Mr. Girish Rakhonde. First he elucidated the importance of onshore and offshore engineering in oil and gas industry.

The challenges faced by an offshore engineer were also shared and added the knowledge of the Sagar Samrat, the only offshore oil drilling platform in India which is located in Mumbai coastal region. He introduced with different types of

Offshore structures, Design loads for offshore oil and gas.

structures. The guest lecturer concluded the lecture by showing some STAAD pro designs for oil refineries.

The STAAD pro training certificates were distributed to the students who successfully completed the training program. On the second event of the day, Induction ceremony was conducted.

The session was inducted by Prof. Roshni John, H.O.D of Civil Engineering ma'am. Prof. Pooja Somani Prof. Yugandhara Kasture and the guest lecturer of the day Mr. Girish Rakhonde delivered an enthusiastic speech looking forward for an astonishing year ahead.

**Name of event-** Konkan Railway Internship Seminar Webinar on Disaster Management and Monsoon preparedness.

**Date-** 29<sup>th</sup> July 2022.

**Location-** Civil classroom no.113 and 116.

**Organized by-** Training and placement department of SCOE.

Training and placement department of SCOE has conducted a seminar on "Presentation on Skilling Engineers for Professional Success by Konkan Railway Corporation Limited" on 29th July 2022. This event was conducted by Surya Shekhar (IT Instructor) from Konkan Railway Corporation Limited. The program was intended to give practical training in various management related and engineering streams in railways and to get the students acclimatized to latest technologies and actual ground working.



**Name of event-** Quiz and Group discussion.

**Date-** 29<sup>th</sup> Sep 2022.

**Location-** Civil classroom

**Organized by-** CESA.

A group discussion and quiz was organized by CESA for civil engineering students on 29<sup>th</sup> Sept 2022 in Civil classroom in order to develop critical thinking skills, improve communication skills, increase self confidence, to improve decision making ability and build teamwork.